

The 2022 China – Thailand Green Energy Cooperation Seminar & Roadshow

20th September 2022



Collector Wind Farm, New South Wales, Australia

Presenter



Mrs. Wadeerat Charoencoop

Chief Financial Officer

Agenda



01

**Investment
Highlights**

02

**RATCH
Overview**

03

**Green Energy
Journey**

One of the largest Listed Power Plant Company in Thailand with Diversified Portfolio

Total Equity Capacity (MW)

9,939.73 MW

(As of 20 Sep 22)

Breakdown by Geography

Overseas
45%



Thailand
55%

Breakdown by Fuel Type

Conventional
81%



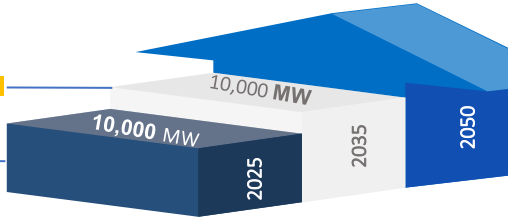
Renewable
19%

Source: EPPO and Company

Clear Growth Path Strategy along with ESG Initiatives

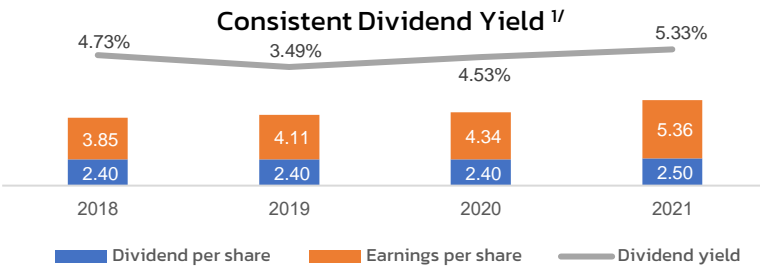
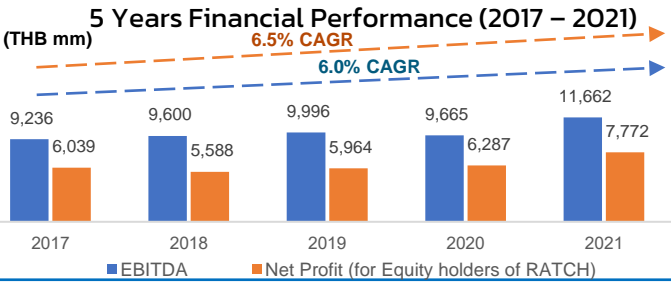
Increase production capacity from renewable energy to be >25% of total capacity in 2025

40%
or 4,000 MW
75%
25%



Carbon Neutrality

Robust Operating & Financial Performance Resulting in Consistent Dividend Yield



Solid Financial Position & Sustainable Long-term Stability with Support from EGAT as Major Shareholder

> 50% EBITDA contribution

PPA with EGAT securing RATCH's robust financial performance and cash flows stability

Strategically important subsidiary of EGAT playing the roles of a business development and an investment arm for EGAT

TRIS Rating: AA+ (Stable Outlook)
S&P Global Rating: BBB- (Stable Outlook)
Moody's Investor Service: Baa1

Experienced Board and Management Team with Strong Corporate Governance

>10 ea.
>10 ea.
50%

Non-independent directors have > 10 years of experience in industry
Management team works with RATCH and have > 10 years of experience in industry
Independent board

Remark: /1 Information from SET (SET.or.th)

Vision

Goal

To become a leading value-oriented energy and infrastructure company in Asia-Pacific

1

To seek new investment to maintain production capacity of **10,000 megawatts** to compensate the expired production capacity or to increase enterprise value to **Baht 200,000 million**

2

To expand investment in business that is in **value chain** and other **infrastructure business** for optimum benefit

3

To generate revenue from **overseas investment** to no less than **50 percent** of the Company's total revenue

4

To increase production capacity from **renewable energy business** by no less than **25 percent** of the total capacity

5

To be a **high performance organization**

3-G Strategy

Growth 

- Strive for business expansion and future value creation

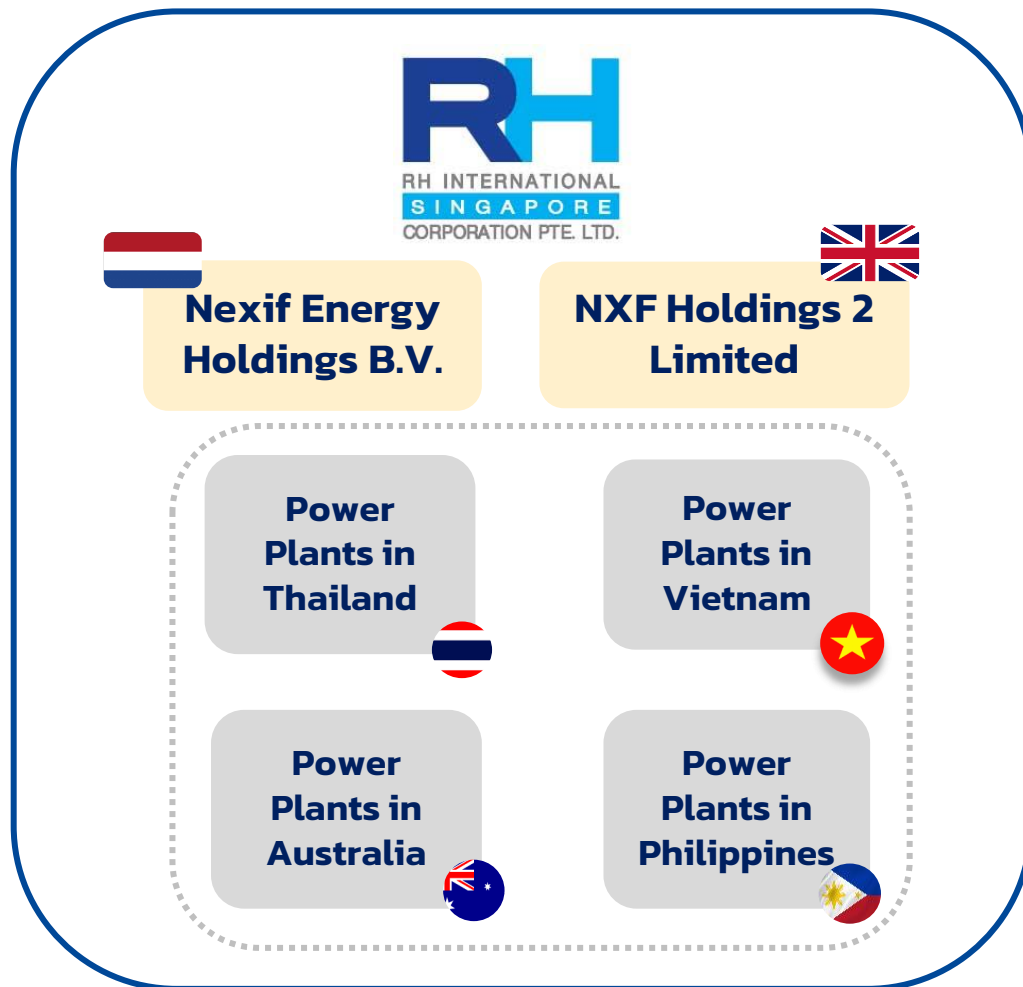
Green 

- Expand **renewable energy business**, together with **ESG (Environment, Social and Governance) enhancement**

Generate 

- Improve efficiency
- Generate reasonable income and returns
- Improve an organization's capability to achieve organizational excellence

August 2022 : Signing of Share Sale Agreement to acquire Nexif Energy Joint Venture (NEJV)



Acquisition overview:

- RHIS purchased 100% shares in Nexif Energy Holdings B.V. and NXF Holdings 2 Limited owning assets in Australia, Thailand, Vietnam and Philippines.
- The portfolio includes **wind, solar, hydro, gas-fired** power plants and **Battery Energy Storage System**.

Acquisition value:

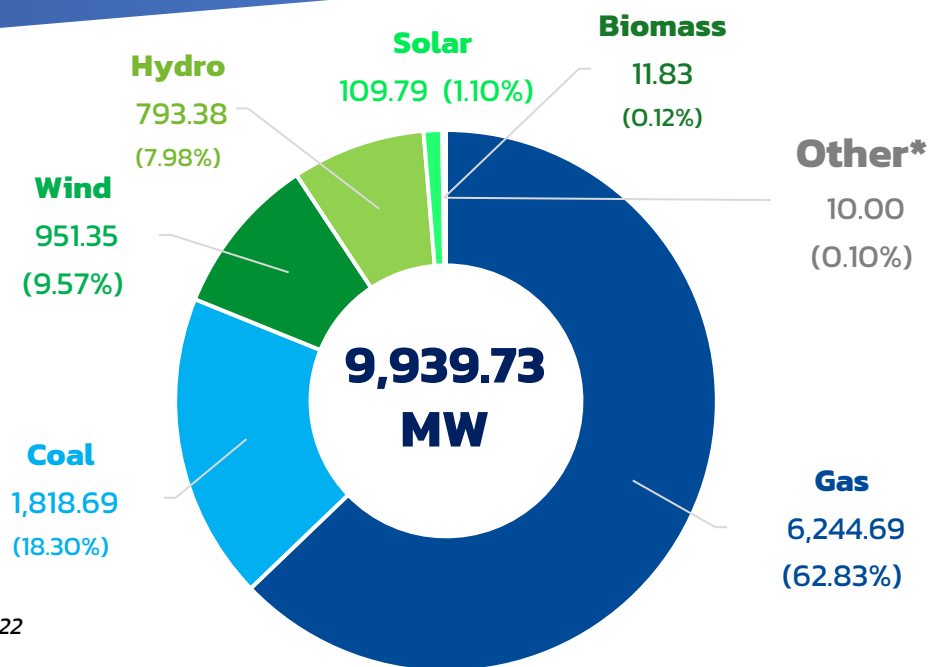
- **605 mUSD** (equivalent to approx. 21,470.42 million Baht.)

Attributable capacity:

- 450.5 MW operational,
- 56.9 MW under construction
- 1,008.4 MW under development






Total 1,515.8 MW

Expected deal completion: **4Q/2022**



Unit: MW

As of 20 September 2022

	 Thailand	 Laos	 Australia	 Indonesia	 Vietnam	 Philippines	 Japan
Total MW	5,491.10 MW (55.24%)	1,420.30 MW (14.29%)	1,590.89 MW* (16.01%)	1,162.13 MW (11.69%)	251.49 MW (2.53%)	21.80 MW (0.22%)	2.02 MW (0.02%)
Conventional (Gas & Coal) 8,063.38 (81.1%)	5,396.34 MW	751.20 MW	703.20 MW	1,075.93 MW	136.71 MW	–	–
Renewable Energy (Wind, Hydro, Solar & Biomass) 1,866.35 (18.8%)	94.76 MW	669.10 MW	877.69 MW	86.20 MW	114.78 MW	21.80 MW	2.02 MW

*Other: Battery 10 MW in Australia

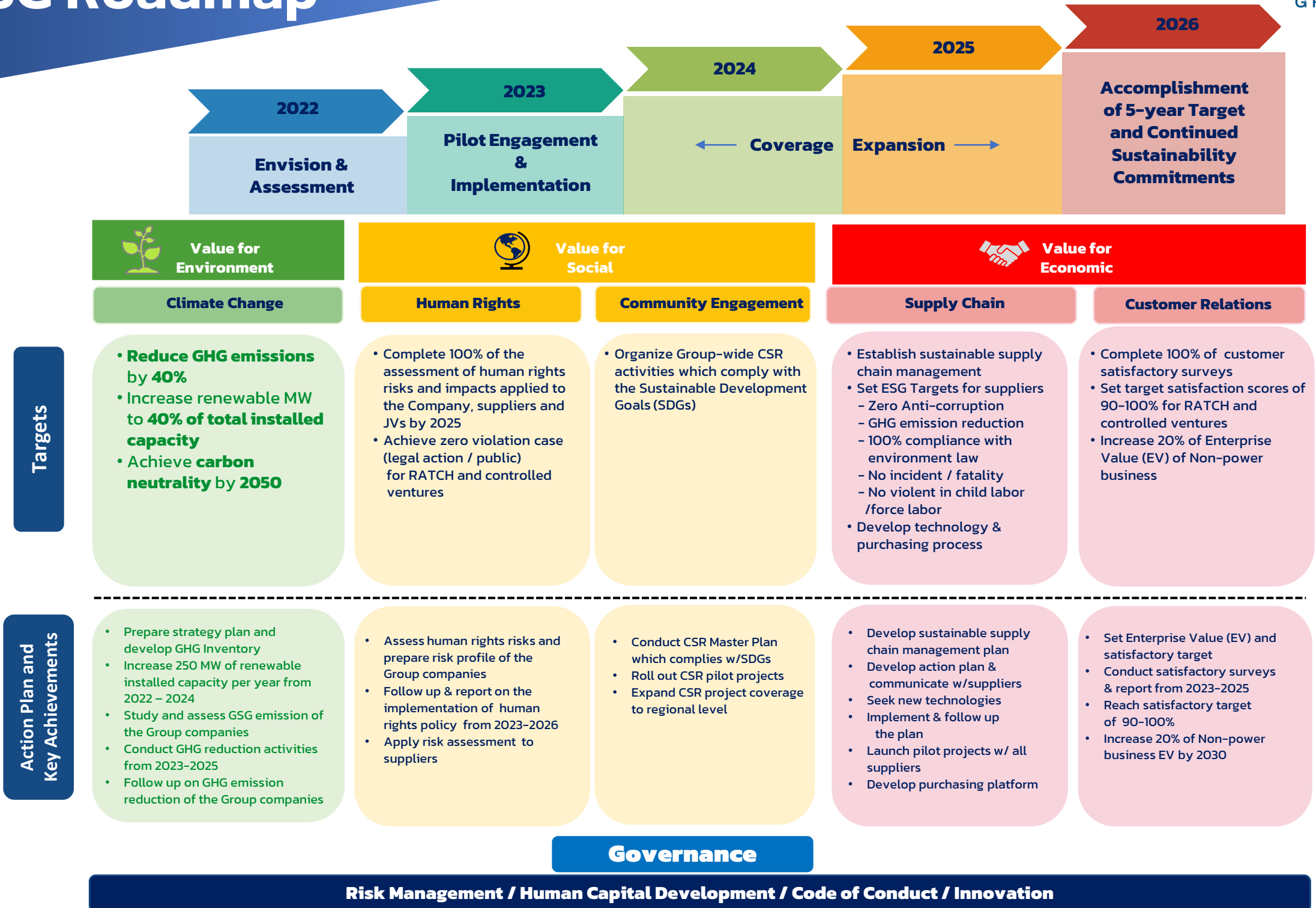


Yandin Wind Farm, Western Australia

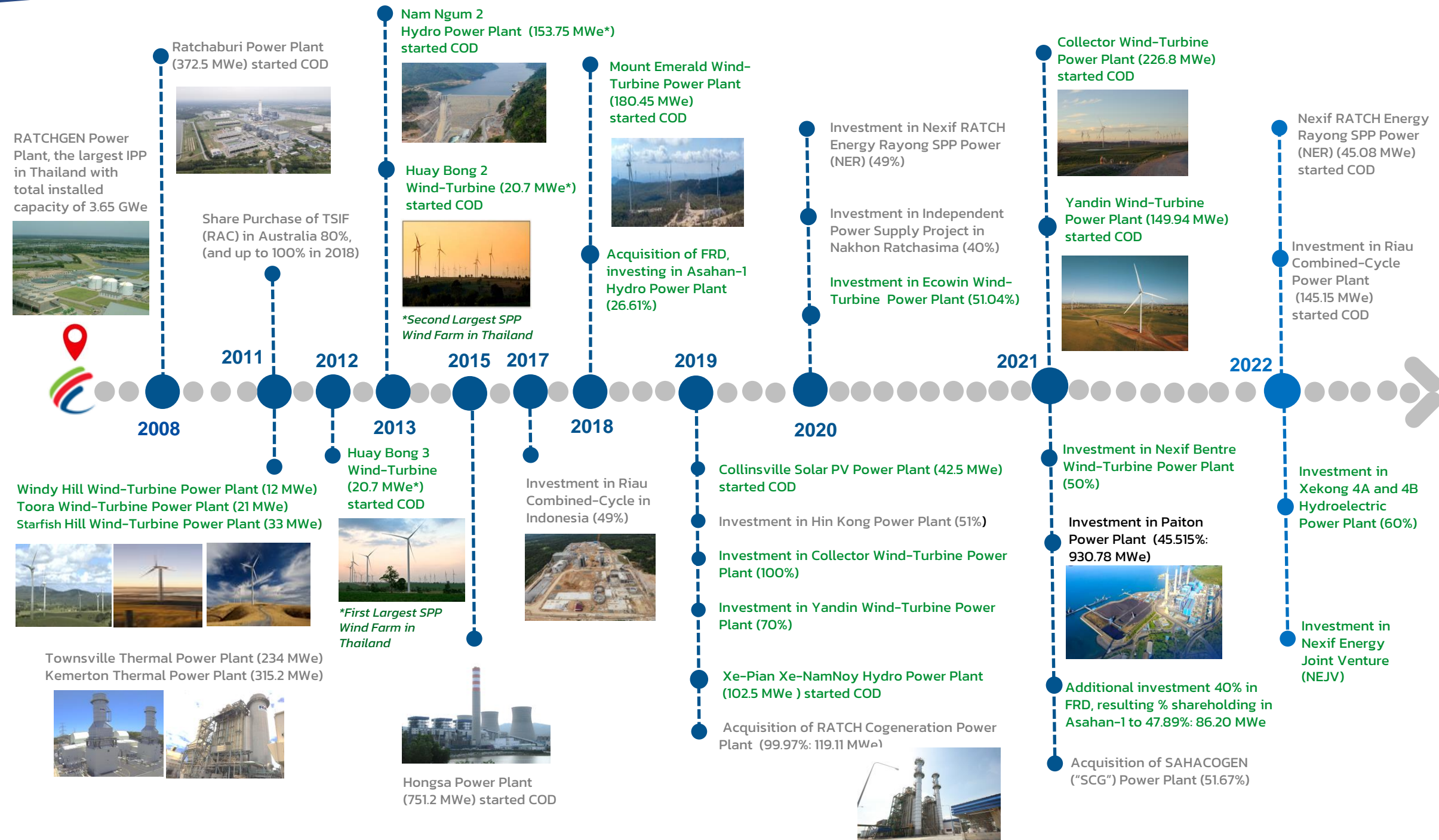
Green Energy Journey



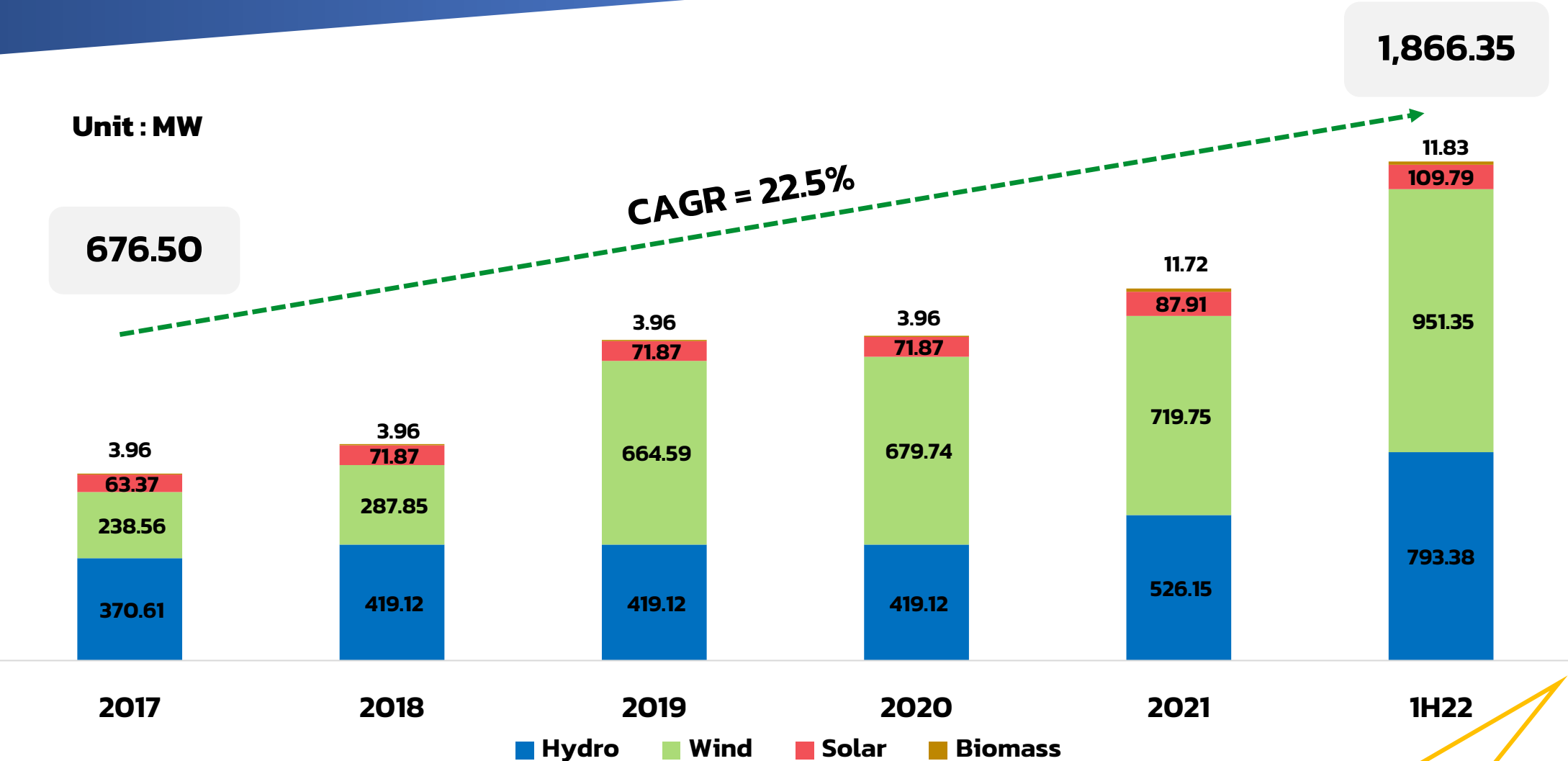
ESG Roadmap



Green Energy Development Journey



Green Energy Growth



Renewable Energy Target:

↑ **25% in 2025 & 40% in 2035**

Green Projects in Australia (In operation)

Starfish Hill



- Wind Farm Project
- Total Capacity: 33 MW
- Equity Capacity (100%): **33 MW**
- Location: South Australia

Toora



- Wind Farm Project
- Total Capacity: 21 MW
- Equity Capacity (100%): **21 MW**
- Location: Victoria

Windy Hill



- Wind Farm Project
- Total Capacity: 12 MW
- Equity Capacity (100%): **12 MW**
- Location: Queensland

Collinsville



- Solar Farm Project
- Total Capacity: 42.50 MW
- Equity Capacity (100%): **42.50 MW**
- Location: Queensland

Mount Emerald



- Wind Farm Project
- Total Capacity: 180.45 MW
- Equity Capacity (100%): **180.45 MW**
- Location: Queensland

Collector



- Wind Farm Project
- Total Capacity: 226.80 MW
- Equity Capacity (100%): **226.80 MW**
- Location: New South Wales

Yandin



- Wind Farm Project
- Total Capacity: 214.20 MW
- Equity Capacity (70%): **149.94 MW**
- Location: Western Australia

Green Projects in Thailand (In operation)

Huay Bong 2-3



- Wind Farm Projects
- Total Capacity: 207 MW
- Equity Capacity (20%): **41.40 MW**
- Location: Nakorn Ratchasima Province

Songkhla Biomass



- Thermal Power Plant
- Total Capacity: 9.90 MW
- Equity Capacity (40%): **3.96 MW**
- Location: Songkhla Province

Solarta



- Solar Farm Project
- Total Capacity: 42.30 MW
- Equity Capacity (49%): **20.73 MW**
- Location: Ayutthaya Province, Suphan Buri Province and Nakhon Pathom Province

Solar Power (KR 3 4 & 7)



- Solar Farm Projects
- Total Capacity: 21.60 MW
- Equity Capacity (40%): **8.64 MW**
- Location: Nakorn Ratchasima Province

Solar Projects - BAFS



- Solar Farm Projects
- Total Capacity: 36.40 MW
- Equity Capacity (15.53%): **5.65 MW**

Overseas Green Projects (In operation)

Nam Ngum 2



- Hydro Power Plant
- Total Capacity: 615 MW
- Equity Capacity (25%): **153.75 MW**
- Location: Lao PDR

EDL-Gen



- Hydro Power Plant
- Total Capacity: 1,976.12 MW
- Equity Capacity (10.11%): **199.85 MW**
- Location: Lao PDR

Xe-Pian – Xe Namnoy



- Hydro Power Plant
- Total Capacity: 410 MW
- Equity Capacity (25%): **102.50 MW**
- Location: Lao PDR

Asahan

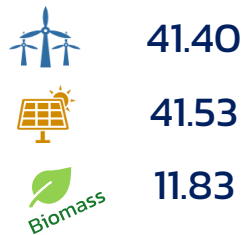


- Hydro Power Plant
- Total Capacity: 180 MW
- Equity Capacity (47.89%): **86.20 MW**
- Location: Republic of Indonesia

Total **Green** Equity Capacity
1,866.35 MW

 **Domestic
Thailand**

94.76 mw



 **Overseas
Indonesia**

86.20 MW

 86.20

ASIA

AUSTRALIA

 **Overseas
Japan**

2.02 mw

 2.02


 **Overseas
Laos**

669.10 mw

 667.16
 1.94

 **Overseas
Vietnam**

114.78 mw

 74.76
 40.02

 **Overseas
Philippines**

21.80 mw

 21.80

 **Overseas
Australia**

877.69 MW

 835.19
 42.50

**Best Local Currency
Green Bond – Renewable
Energy/ Transition energy**
from the Asset Triple A
Sustainable Capital
Markets Country and
Regional Awards 2020



Full score in the
evaluation of Annual
Shareholder General Meeting's
quality in 2021 by Thai
Investors Association



**Best Public
Company of the Year
2021**
Resources Industry
from Money & Banking
Award 2021

96% of total average score
from 2021 Corporate Governance
Report of Thai Listed Companies
(CGR) from IOD and SET



Highly
Commended Award in
**Sustainability
Excellence**
in SET Awards 2021

Listed in
Thailand
Sustainability
Investment (THSI)
for **7 consecutive
years**



Honorable Award in
2021 Sustainability Award
from Thaipat Institute
the third consecutive year



Honorary plaque to the
benefactor from
the Royal **Forest**
Department in 2021

A photograph of a modern, curved, multi-story building at night. The building has a glass facade and is illuminated from within, showing office spaces. The word "RATCH" is visible on the upper part of the building. To the right of the building, there are several flagpoles with flags. The sky is dark blue.

THANK YOU

Q&A

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